AMENDMENTS TO THE CLAIMS:

Claim 1 is canceled and claims 2-6 are amended without prejudice or disclaimer. Claims 2-6 are currently pending. This listing will replace all prior versions, and listings, of claims in the application.

Claim 1 (Canceled).

Claim 2 (Currently Amended): [[The]] A light detecting sensor ~~of claim 1,~~ comprising:

a substrate having electric insulation;

a cathode discharging photoelectrons through the incidence of light;

an anode collecting the photoelectrons discharged from the cathode,

a casing having a space storing said substrate, said cathode and said anode, the space being evacuated,

wherein said cathode and said anode are provided on the same surface of said substrate, and

wherein said cathode and said anode have a comb-tooth shape so as to be mutually engaged.

Claim 3 (Currently Amended): The light detecting sensor of ~~claim 1~~ claim 2, wherein a plurality of anodes are provided.

Claim 4 (Currently Amended): The light detecting sensor of ~~claim 1~~ claim 2, wherein said cathode discharges the photoelectrons through the incidence of ultraviolet rays.

Claim 5 (Currently Amended): The light detecting sensor of ~~claim 1~~ claim 2, wherein the width of said cathode is set to be larger than that of said anode.

Claim 6 (Currently Amended): [[The]] A light detecting sensor ~~of claim 1,~~ comprising:

a substrate having electric insulation;

a cathode discharging photoelectrons through the incidence of light;

an anode collecting the photoelectrons discharged from the cathode,

a casing having a space storing said substrate, said cathode and said anode, the space being evacuated,

wherein said cathode and said anode are provided on the same surface of said substrate,

wherein said cathode contains a plurality of principal cathode parts radially extended, and a diverging cathode part provided for every principal cathode part so as to intersect said principal cathode part,

wherein said anode contains a plurality of principal anode parts provided so as to radially extend between said principal cathode parts being adjacent, and a diverging anode part provided for every principal anode part so as to intersect said principal anode part, and

wherein said diverging cathode part and said diverging anode part are provided so as to overlap mutually when viewed in the radial direction.